Inventor: HAMAMOTO et al.
Docket No.: 13425.43US01
Title: CONTROL APPARATUS FOR AN ELECTRIC POWER STEERING SYSTEM
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4722
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FIG.1

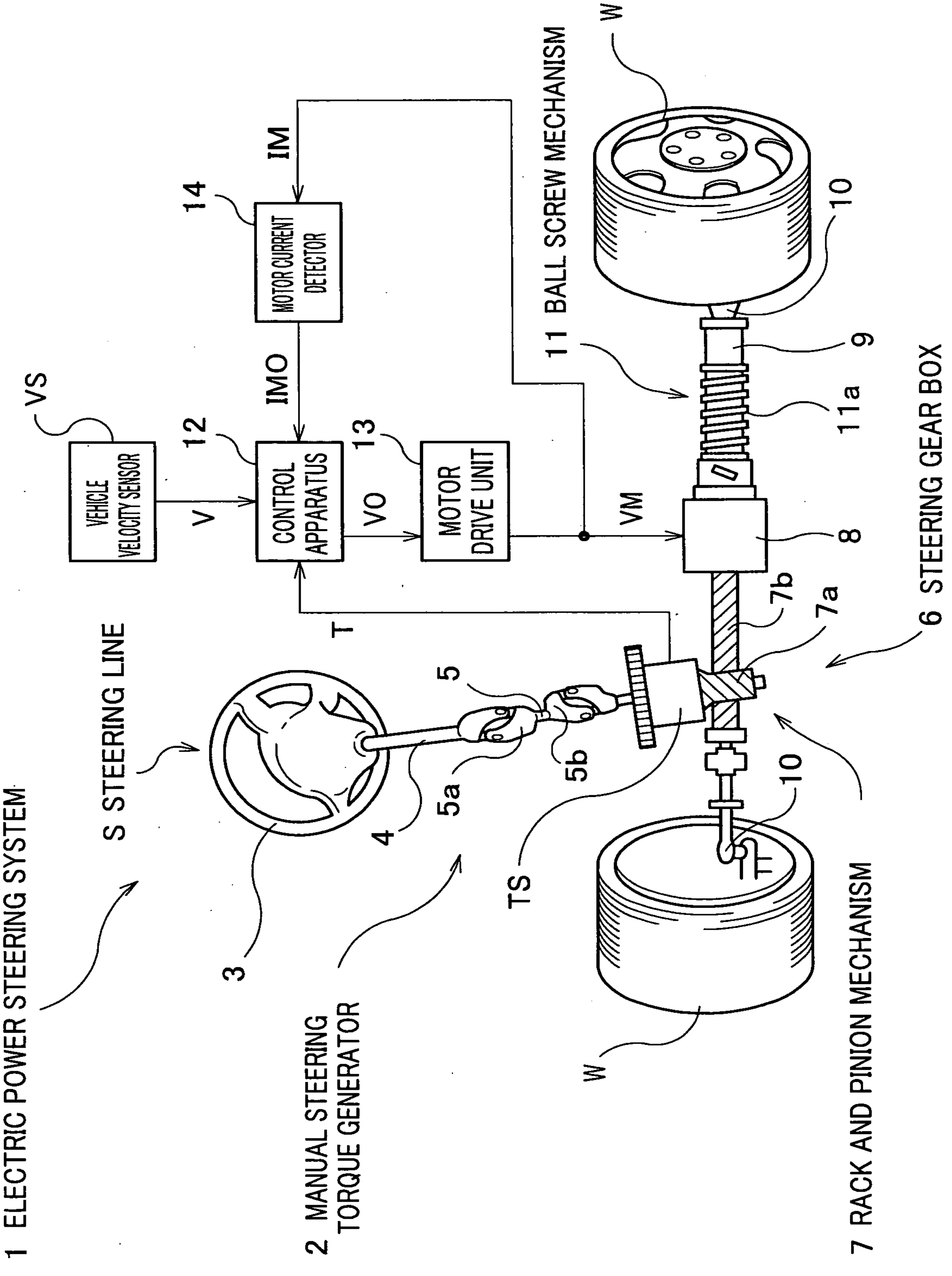

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FIG.2

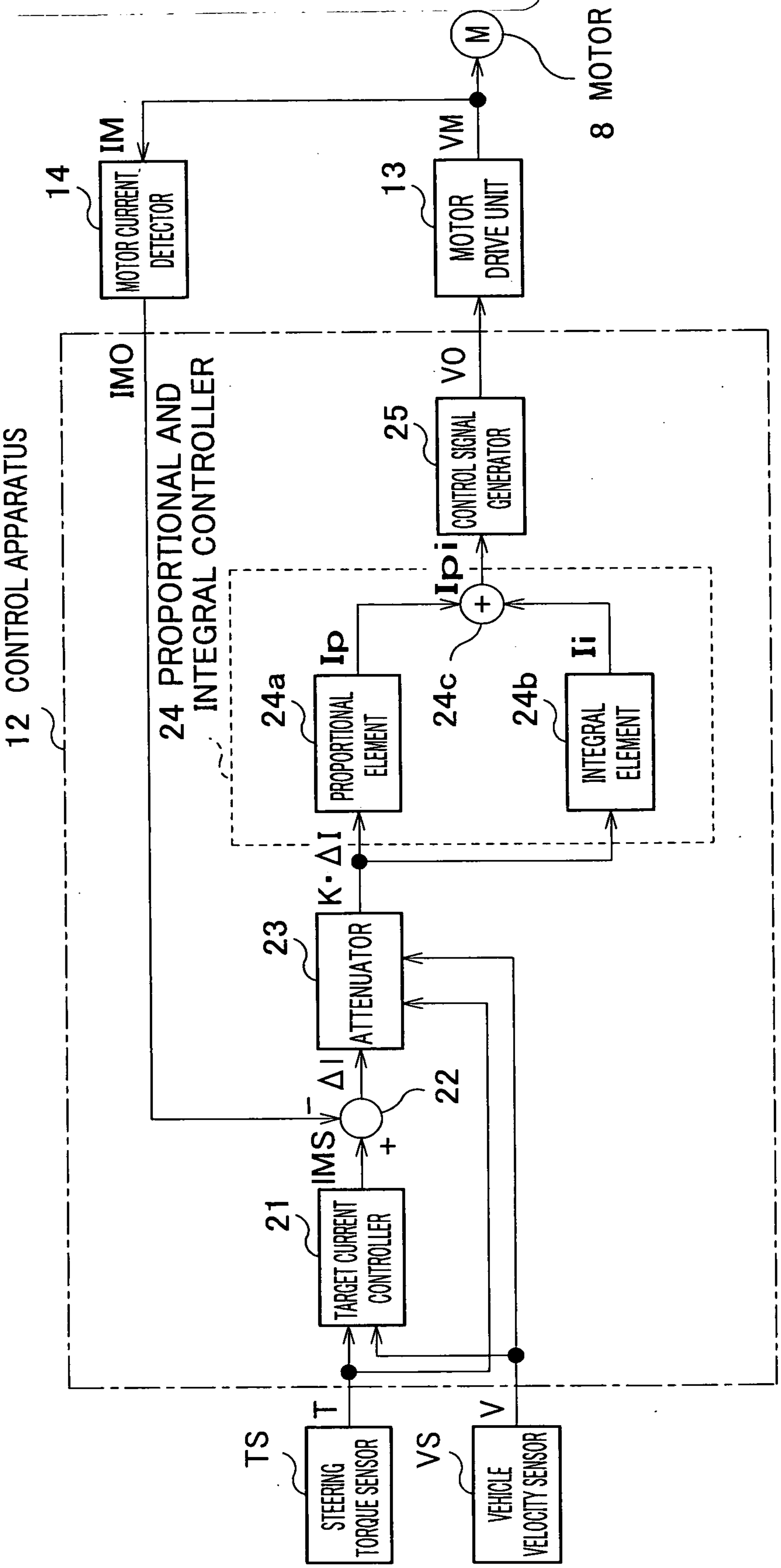

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FIG.3

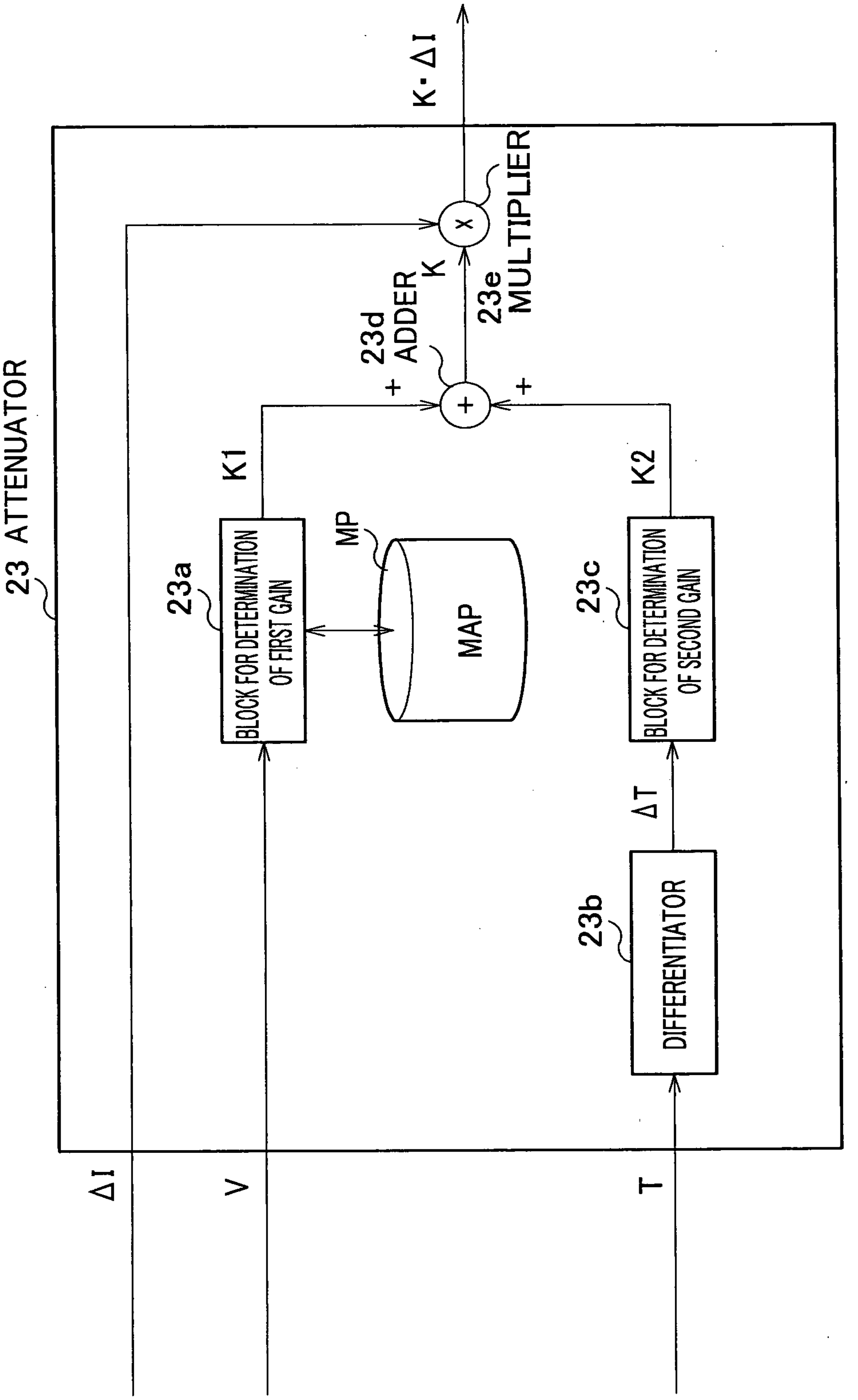

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FIG.4A

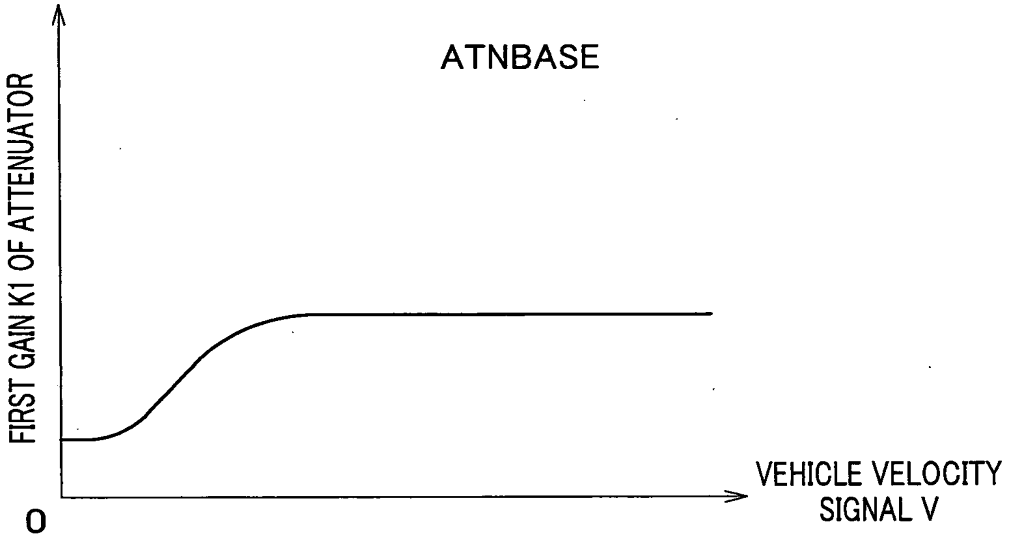

FIG.4B

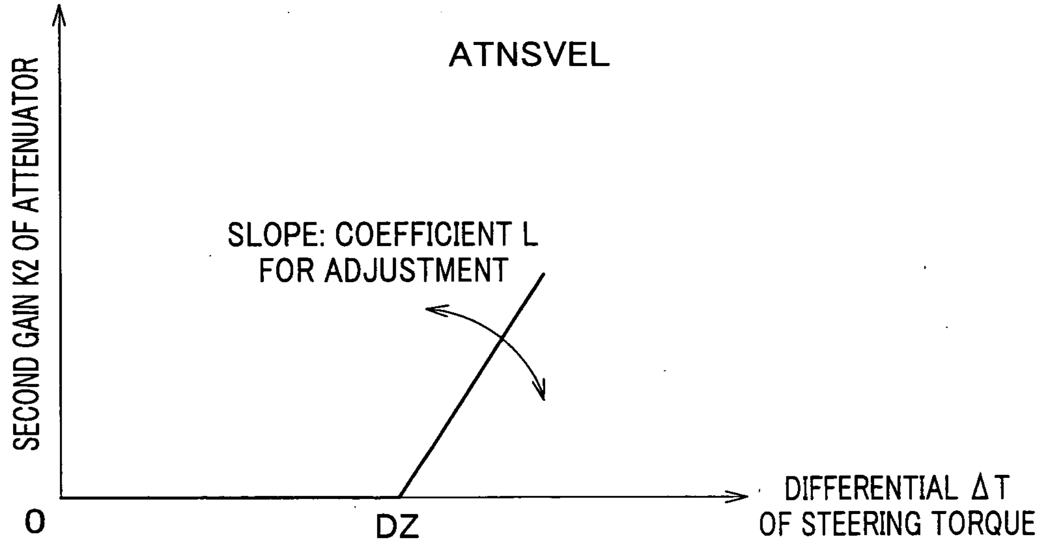

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FIG.5

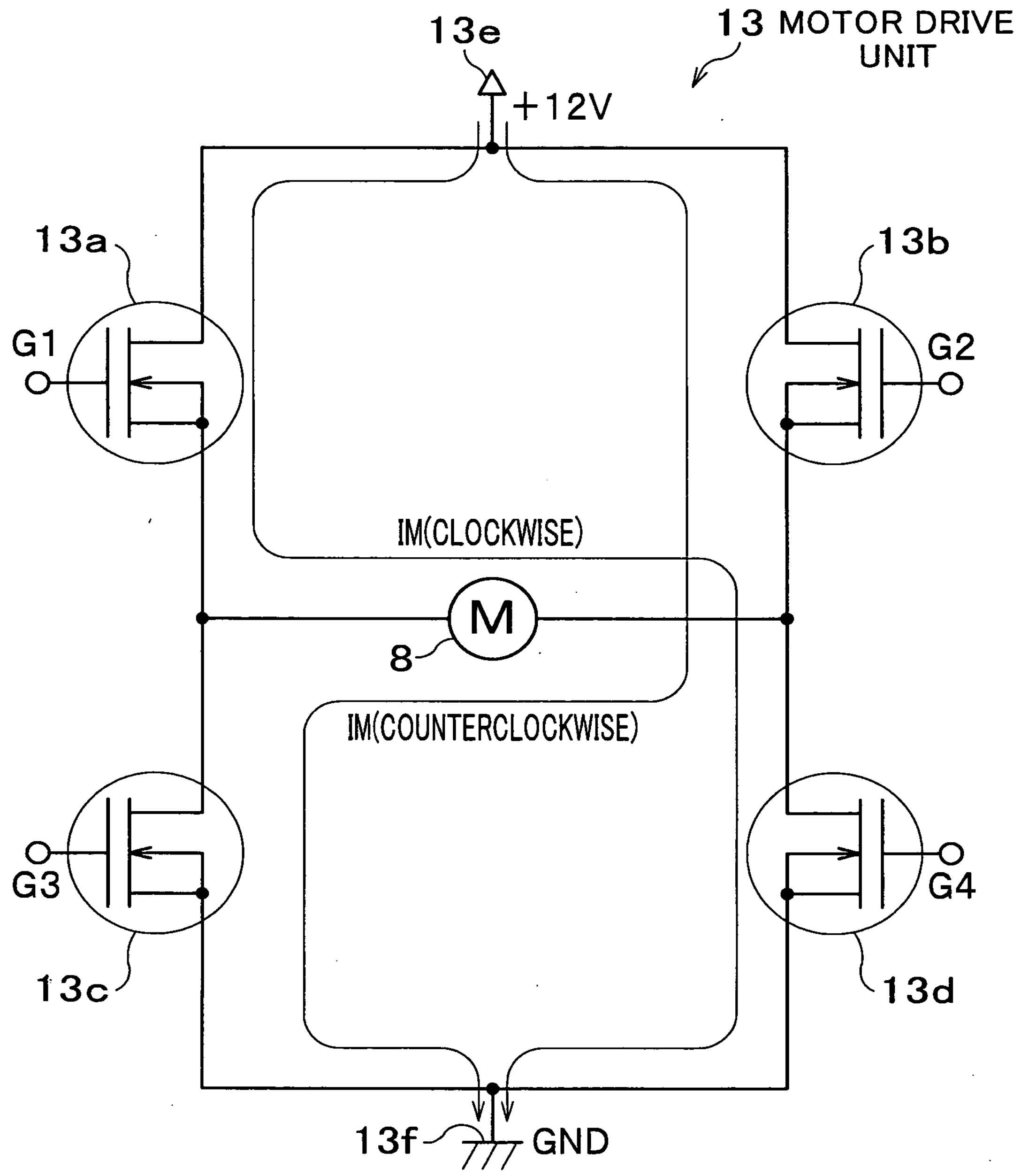
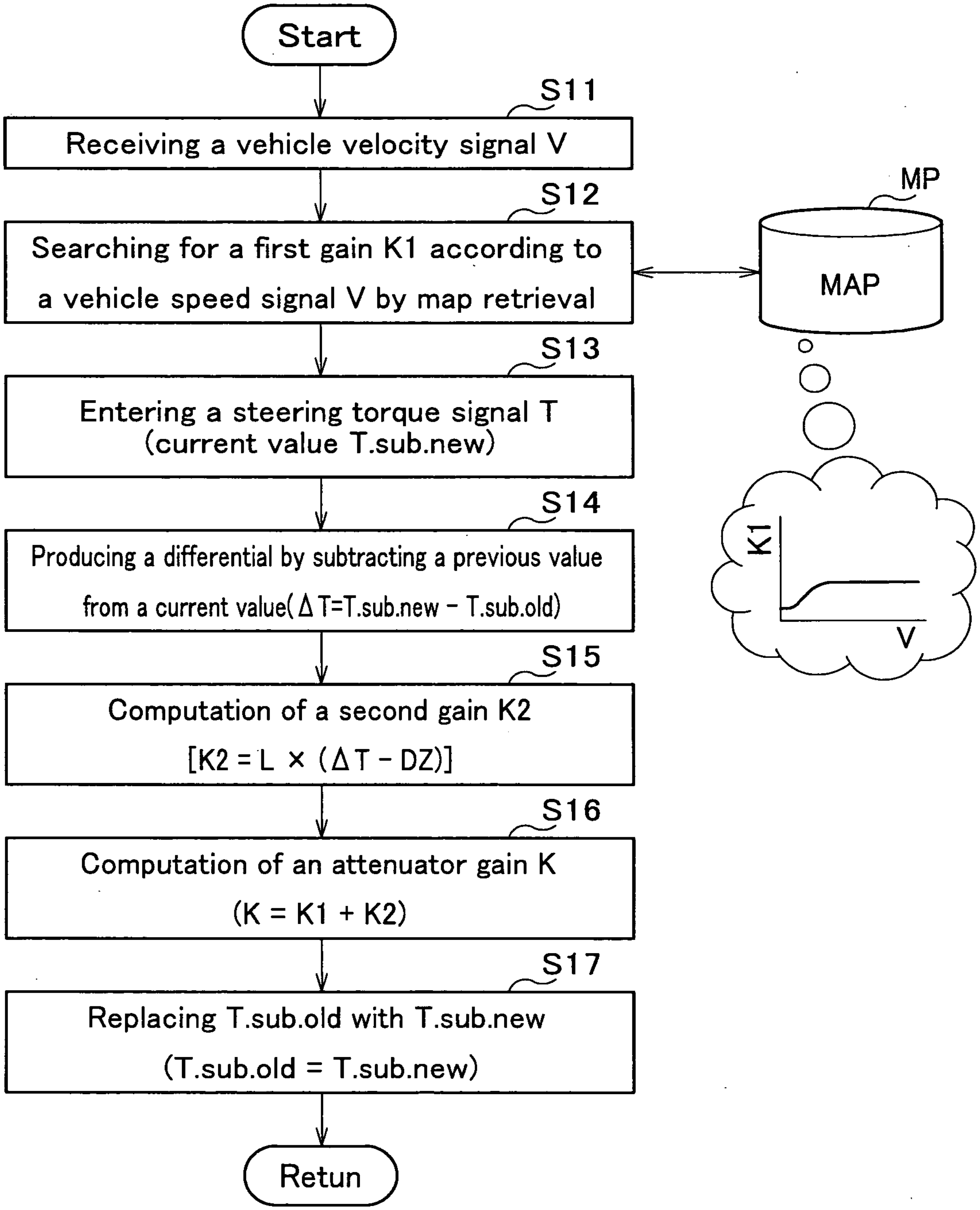


FIG.6


Start
S11
Receiving a vehicle velocity signal V
S12
Searching for a first gain K1 according to a vehicle speed signal V by map retrieval
MP
MAP
K1
V
S13
Entering a steering torque signal T (current value T.sub.new)
S14
Producing a differential by subtracting a previous value from a current value(Δ T=T.sub.new − T.sub.old)
S15
Computation of a second gain K2 [K2 = L × (Δ T − DZ)]
S16
Computation of an attenuator gain K (K = K1 + K2)
S17
Replacing T.sub.old with T.sub.new (T.sub.old = T.sub.new)
Retun